HYUNDAI

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USER MANUAL

HHD3500
HHD6250
HHD7250

HOME POWER SERIES

REVIEW MANUAL CAREFULLY TO AVOID PERSONAL INJURY

Licensed by Hyundai Corporation, Korea

HYUNDAI

PREFACE

Thank you for purchasing a Hyundai Portable generator. Please register your product in order for us to ensure your continuous satisfaction with our product.

This manual covers the safety, operation and maintenance procedures for the HHD3500, HHD6250 and HHD7250 models.

All information in this publication is based on the latest product information available at the time of approval for printing.

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If a problem should arise, please contact us by using the contact information at the end of this manual.

It is important that this manual be read and fully understood before operating the generator set. Failure to do so may cause serious injuries or equipment damage.

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1. SAFETY PRECAUTIONS

1.1) Safety Labels

DANGER

This symbol warns of hazards which can result in severe or lethal personal injury.

WARNING

This symbol refers to a hazardous or unsafe practice which has the potential to result in personal injury or product / property damage.

CAUTION

This symbol warns of immediate hazards which will result in severe or lethal personal injury.

1.2) Operations Safety

- Always perform a pre-operation check before starting the engine.
- Properly clean and maintain the equipment.
- Operate the generator according to instructions for safe and dependable service.
- Before operating the generator, read the user manual carefully. Otherwise, it may result in personal injuries or equipment damage.
- Never run the generator in an enclosed area to avoid harm from exhaust emissions of a poisonous carbon monoxide gas.
- Be careful not to touch the exhaust system during operation because it can cause burns.
- Pay attention to the warning labels because the engine exhaust system will become heated during operation and remain hot immediately after the engine is stopped.

- Gasoline is a highly flammable and explosive liquid. Refuel in a well ventilated area with the engine stopped.
- When refueling the generator, keep it away from cigarette, open flames, smoke and/or sparks.
- Connections for standby power to a building's electrical system must be done by a qualified electrician and must comply with all applicable laws and electrical codes. Improper connections may cause serious injuries to electrical workers during power outage, and when the utility power is restored, the generator may explode or cause fires.
- Place the generator at least 3ft away from buildings or other equipment during operation.
- Run the generator on a level surface. If the generator tilts, fuel spillage may result.
- Know how to stop the generator quickly and understand operation of all the controls. Never permit anyone to operate the generator without proper instructions.
- Keep children, pets and rotating parts away from the generator during operation.
- Do not operate the generator in rain or snow.
- Do not allow any moisture to come in contact with the generator.
- Do not touch the spark plug while the generator is operating and shortly after the generator has been shut down

1.3) AC Safety Guidlines

Before connecting the generator to an electrical device or power cord:

- Make sure that everything is in right working order. Faulty devices or power cords can lead to an electrical shock.
- Turn off the generator immediately if the device begins to operate abnormally. Then disconnect the device and investigate the problem.
- Make sure that the electrical rating of the device does not exceed that of the generator. If the power level of the device is between the maximum output power and the running power of the generator, the generator should not be used for more than 30 minutes.
- The connections from the generator to the household power supply should be done by professional electrical technicians. Improper connections may lead to a fire hazard or

damages to the generator set.

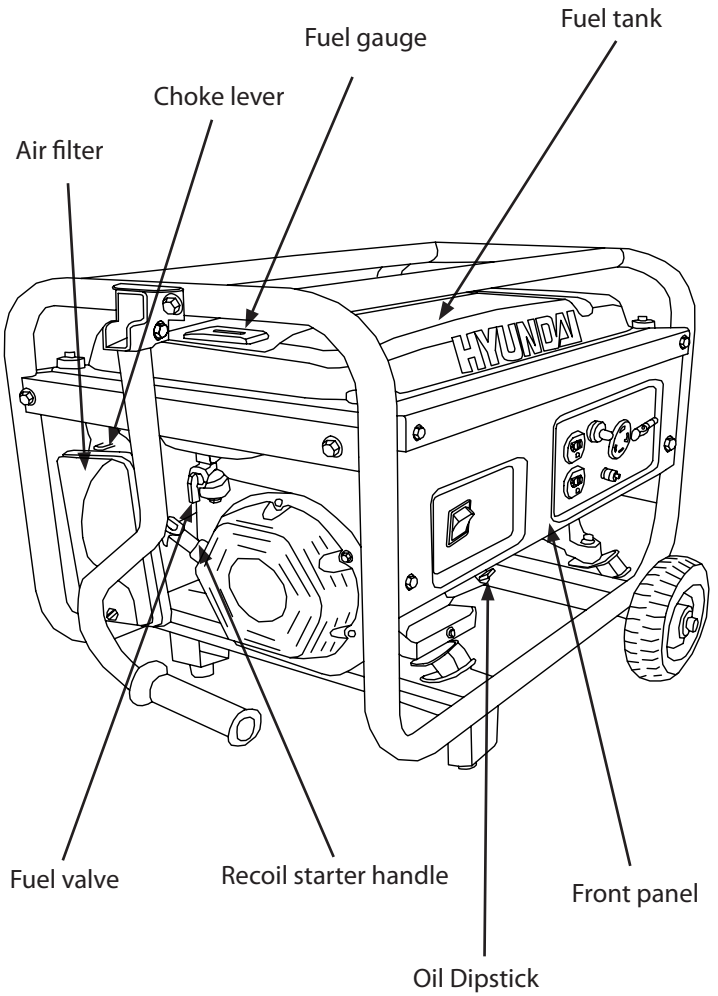
1.4) Maintenance Safety

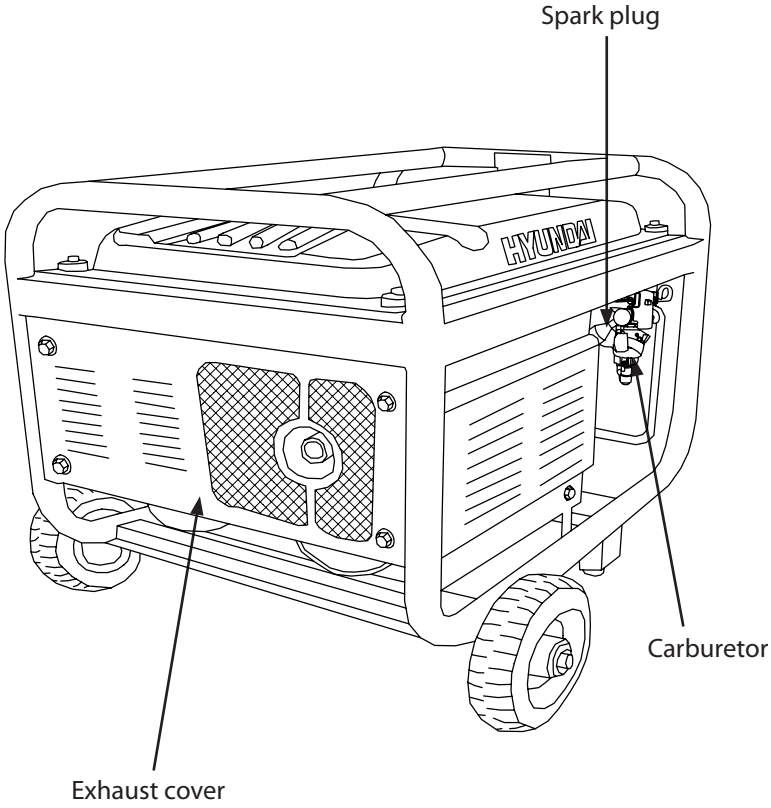
- After any maintenance is performed, wash your body immediately using soap and clean water because repeated exposure to lubricant may cause skin irritation.
- Do not clean the filter element with flammable liquids like gasoline because explosion may occur.
- Turn off the generator set before performing any maintenance. Otherwise it can cause severe personal injury or death
- Allow the generator set to cool down before performing any maintenance.
- Always wear safety glasses when cleaning the generator set with air.
- Do not clean the generator set with a pressure washer because it can cause damage to the generator set.
- Before working with batteries, ventilate the area, wear safety glasses, do not smoke and always disconnect the negative cable first and reconnect it last.
- Use rubber gloves when coming into contact with engine oil.
- Always stop the generator set before removing the oil filler cap.
- Only qualified maintenance personnel with knowledge of fuels, electricity, and machinery hazards should perform maintenance procedures.

1.5) Other Safety Hazards

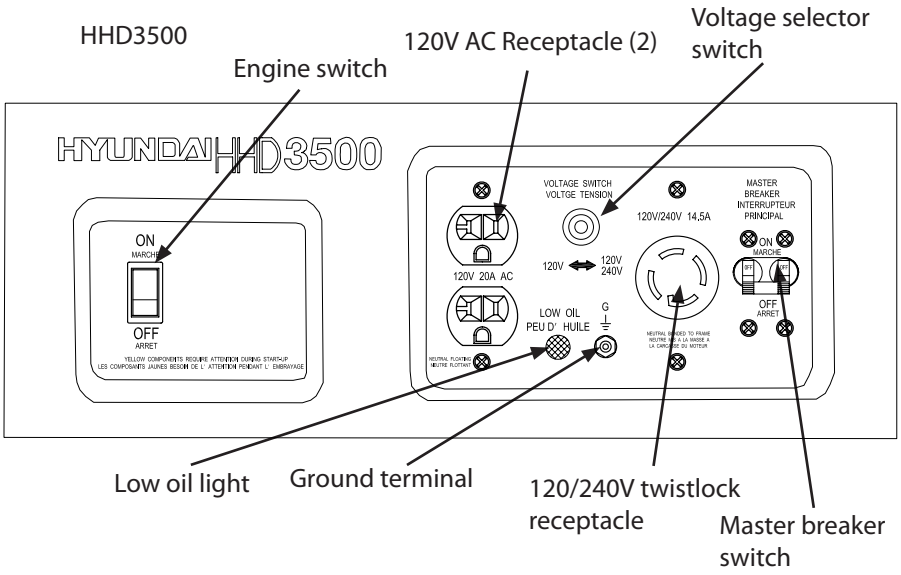
- To avoid breathing in poisonous carbon monoxide from the exhaust gases, adequate ventilation should be provided if the generator set is running in a partially enclosed space.
- If the generator set is stored outdoors, check all the electrical components on the control panel before each use. Moisture can damage the generator and can lead to an electric shock.

2. IDENTIFICATION OF COMPONENTS
HHD3500

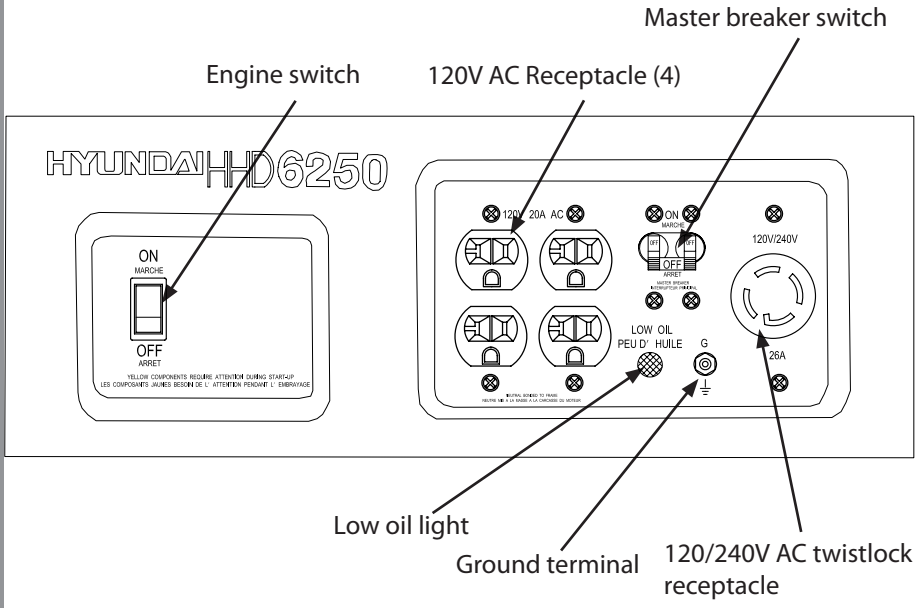


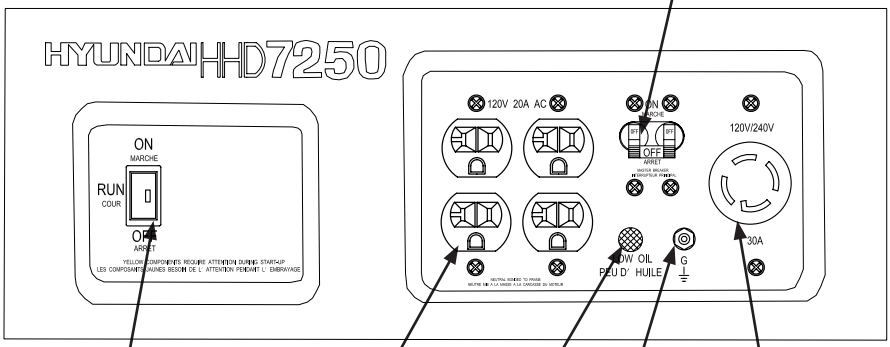

Spark plug
HYUNDAI
Carburetor
Exhaust cover

HHD3500



HHD6250





Master breaker switch

Engine switch

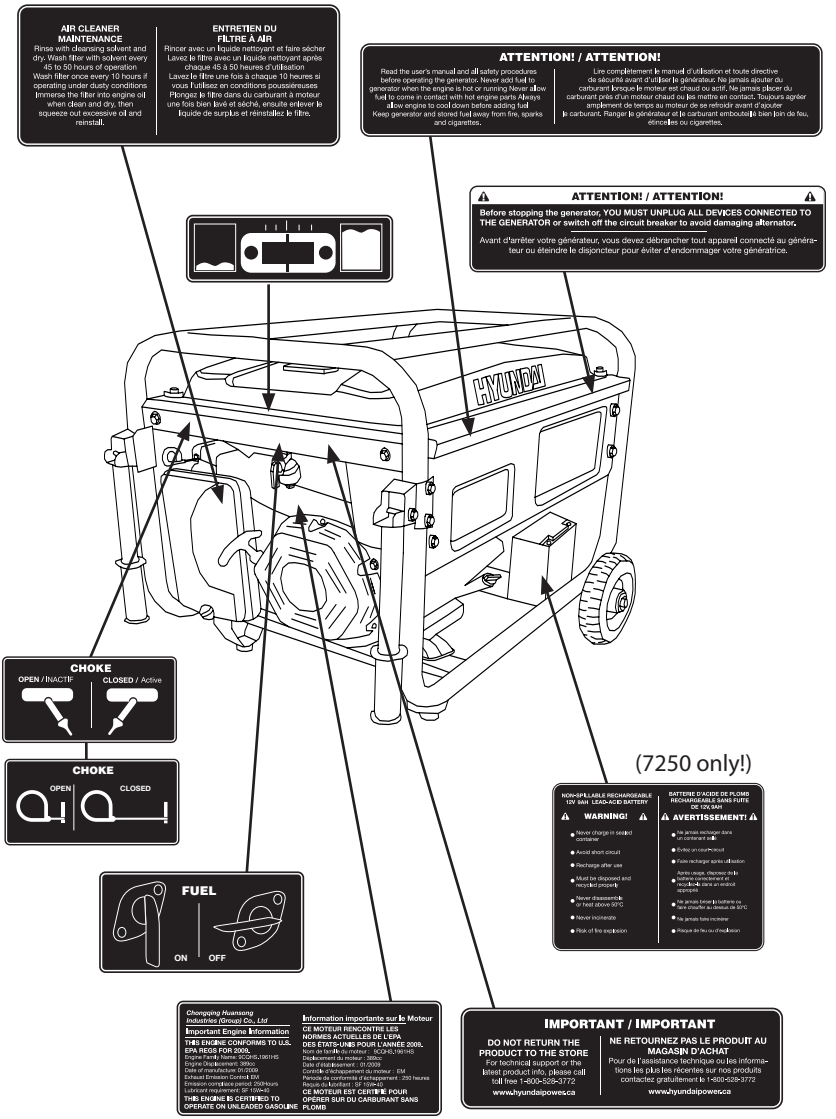
120V AC Receptacle (2)

Low Oil Light

120/240 AC twistlock receptacle

Ground Terminal

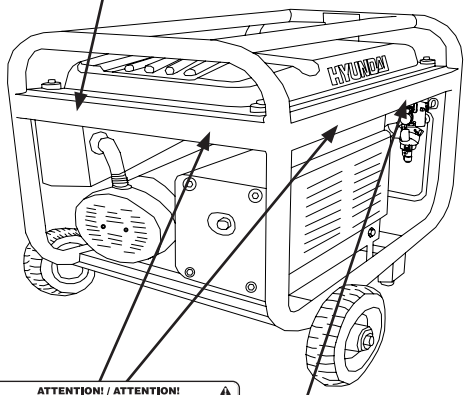
LABEL PLACEMENT
HHD3500/6250/7250

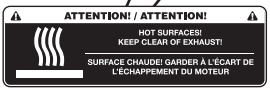

AIR CLEANER MAINTENANCE
Rinse with cleansing solvent and dry. Wash filter with solvent every 45 to 50 hours of operation
Wash filter once every 10 hours if operating under dusty conditions
Immerse the filter into engine oil when clean and dry, then squeeze out excessive oil and reinstall.
ENTRETIEN DU FILTRE À AIR
Rincer avec un liquide nettoyant et faire sécher
Lavez le filtre avec un liquide nettoyant après chaque 45 à 50 heures d'utilisation
Lavez le filtre une fois à chaque 10 heures si vous l'utilisez en conditions poussiéreuses
Plongez le filtre dans du carburant à moteur une fois bien lavé et séché, ensuite enlever le liquide de surplus et réinstallez le filtre.
ATTENTION! / ATTENTION!
Read the user's manual and all safety procedures before operating the generator. Never add fuel to generator when the engine is hot or running. Never allow fuel to come in contact with hot engine parts Always allow engine to cool down before adding fuel.
Keep generator and stored fuel away from fire, sparks and cigarettes.
Lire complètement le manuel d'utilisation et toute directive de sécurité avant d'utiliser le générateur. Ne jamais ajouter du carburant lorsque le moteur est chaud ou actif. Ne jamais placer du carburant près d'un moteur chaud ou les mettre en contact. Toujours agréer amplement de temps au moteur de se refroidir avant d'ajouter le carburant. Ranger le générateur et le carburant emboutelé bien loin de feu, étincelles ou cigarettes.
ATTENTION! / ATTENTION!
Before stopping the generator, YOU MUST UNPLUG ALL DEVICES CONNECTED TO THE GENERATOR or switch off the circuit breaker to avoid damaging alternator.
Avant d'arrêter votre générateur, vous devez débrancher tout appareil connecté au générateur ou éteindre le disjoncteur pour éviter d'endommager votre génératrice.
HYUNDAI
CHOKE
OPEN / INACTIF
CLOSED / Active
CHOKE
OPEN
CLOSED
FUEL
ON
OFF
(7250 only!)
NON-SPILLABLE RECHARGEABLE 12V 9AH LEAD-ACID BATTERY
WARNING!
Never charge in sealed container
Avoid short circuit
Recharge after use
Must be disposed and recycled properly
Never disassemble or heat above 50°C
Never incinerate
Risk of fire explosion
BATTERIE D'ACIDE DE PLOMB RECHARGEABLE SANS FUITE DE 12V 9AH
AVERTISSEMENT!
Ne jamais recharger dans un contenant scellé
Éviter un court-circuit
Faire recharger après utilisation
Après usage, disposez de la batterie correctement et recyclez-la dans un endroit approprié
Ne jamais briser la batterie ou faire chauffer au dessus de 50°C
Ne jamais faire incinérer
Risque de feu ou d'explosion
Chongqing Huansong Industries (Group) Co., Ltd
Important Engine Information
THIS ENGINE CONFORMS TO U.S. EPA REGS FOR 2009.
Engine Family Name: SCQHS.196HS
Engine Displacement: 389cc
Date of manufacture: 01/2009
Exhaust Emission Control: EM
Emission compliance period: 250Hours
Lubricant requirement: SF 15W-40
THIS ENGINE IS CERTIFIED TO OPERATE ON UNLEADED GASOLINE
Information importante sur le Moteur
CE MOTEUR RENCONTRE LES NORMES ACTUELLES DE L'EPA DES ETATS-UNIS POUR L'ANNEE 2009.
Nom de famille du moteur : SCQHS.196HS
Cylindrée du moteur : 389cc
Date d'établissement : 01/2009
Contrôle d'échappement du moteur : EM
Période de conformité d'échappement : 250 heures
Requis du lubrifiant : SF 15W-40
CE MOTEUR EST CERTIFIÉ POUR OPÉRER SUR DU CARBURANT SANS PLOMB
IMPORTANT / IMPORTANT
DO NOT RETURN THE PRODUCT TO THE STORE
For technical support or the latest product info, please call toll free 1-800-529-3772
www.hyundaipower.ca
NE RETOURNEZ PAS LE PRODUIT AU MAGASIN D'ACHAT
Pour de l'assistance technique ou les informations les plus récentes sur nos produits, contactez gratuitement le 1-800-529-3772
www.hyundaipower.ca

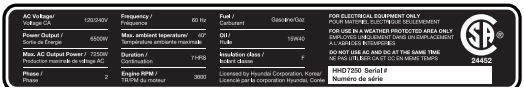
10.

LABEL PLACEMENT
HHD3500/6250/7250

ATTENTION!
Read, understand and follow all safety and operating instructions provided in the user's manual. Failure to follow the instructions can lead to deaths, serious injuries and equipment damage. Never add fuel when the engine is running. Gasoline spillage on hot engine parts can cause fire. Always clean spilled gasoline immediately. Always turn off the engine and allow the engine to cool down before refueling the generator. Always keep the generator away from smoke, open flames or sparks. Operating the generator in wet or damp conditions can lead to shock or electrocution. Always keep the generator and the surface it sits on dry. Never touch the muffler and engine parts after running. Always stay away from hot exhaust gases. Never connect to an electrical building's electrical system unless a transfer switch has been installed by a qualified electrician.
ATTENTION!
Toujours lire, comprendre et suivre toute directive de sécurité et d'opération inclus dans le manuel d'utilisateur. Le fait de ne suivre ses instructions pourrait mener à la mort, à des blessures sérieuses ou des dommages à l'équipement. Ne jamais ajouter du carburant lorsque le moteur est actif. Les fuites de carburant sur les pièces du moteur chaud peuvent causer un feu. Ramasser toujours les fuites de carburant ou d'huile pour éviter les blessures. Toujours éteindre le moteur et le laisser refroidir avant de faire le remplir de carburant. Toujours garder la génératrice loin de toute fumée, flamme ou étincelles. L'utilisation du générateur dans des conditions mouillées ou humides peut mener à un choc ou une électrocution. Toujours ranger la génératrice dans un endroit sèche. Ne jamais toucher le silencieux ou les pièces chaudes du moteur après utilisation. Toujours se garder loin des gaz chauds d'échappement. Ne jamais joindre cet item au réseau électrique d'un bâtiment sans avoir installé un commutateur de transfert par un technicien qualifié. Toujours ranger la génératrice dans un endroit sèche.

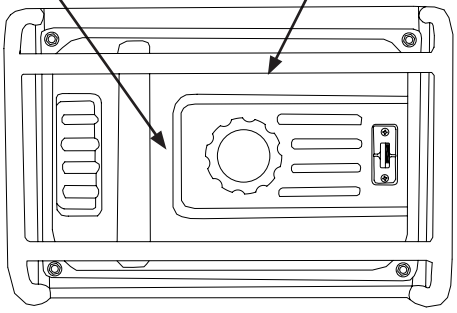





AC Voltage/ Voltage CA 120/240V
Frequency / Fréquence 60 Hz
Fuel / Carburant Gasoline/Gaz
Power Output / Sortie de Énergie 6500W
Max. ambient tepeature/ Températures ambiante maximale 40°
Oil / Huile 15W40
Max. AC Output Power / 7250W Production maximale de voltage AC
Duration / Continuation 7HRS
Insulation class / Isolant classe F
Phase / Phase 2
Engine RPM / TR/PM du moteur 3600
Licensed by Hyundai Corporation, Korea/ Licencié par le corporation Hyundai, Corée
FOR ELECTRICAL EQUIPMENT ONLY
POUR MATÉRIEL ÉLECTRIQUE SEULEMENT
FOR USE IN A WEATHER PROTECTED AREA ONLY
À UTILISER SEULEMENT DANS UN EMPLACEMENT À L'ABRI DES INTEMPÉRIES
DO NOT USE AC AND DC AT THE SAME TIME
NE PAS UTILISER CA ET CC EN MEME TEMPS
HHD7250 Serial #
Numéro de série
24452

ATTENTION! / ATTENTION!
●Never add fuel when the engine is running
●Never add fuel when engine is hot
●Always add fuel in a well-ventilated area
●Always clean up fuel spills
●Ne jamais ajouter du carburant lorsque le moteur est actif.
●Ne jamais ajouter du carburant lorsque le moteur est chaud
●Toujours transférer le carburant dans un endroit bien ventilé
●Toujours ramasser les fuites de carburant

DANGER
Using a generator indoors CAN KILL YOU IN MINUTES.
L'utilisation d'un générateur à l'endroit pourrait causer la mort en quelques minutes.
Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.
L'échappement d'un générateur contient du monoxyde de carbone.
Le monoxyde de carbone est un poison mortel qui est sans odeur ni couleur apparents.
NEVER use inside a home or garage, EVEN IF doors and windows are open.
Ne jamais utiliser à l'intérieur d'une maison ou un garage, même si les portes et fenêtres sont ouvertes.
Only use OUTSIDE and far away from windows, doors and vents.
Toujours utiliser à l'extérieur et bien loin des portes et des fenêtres.



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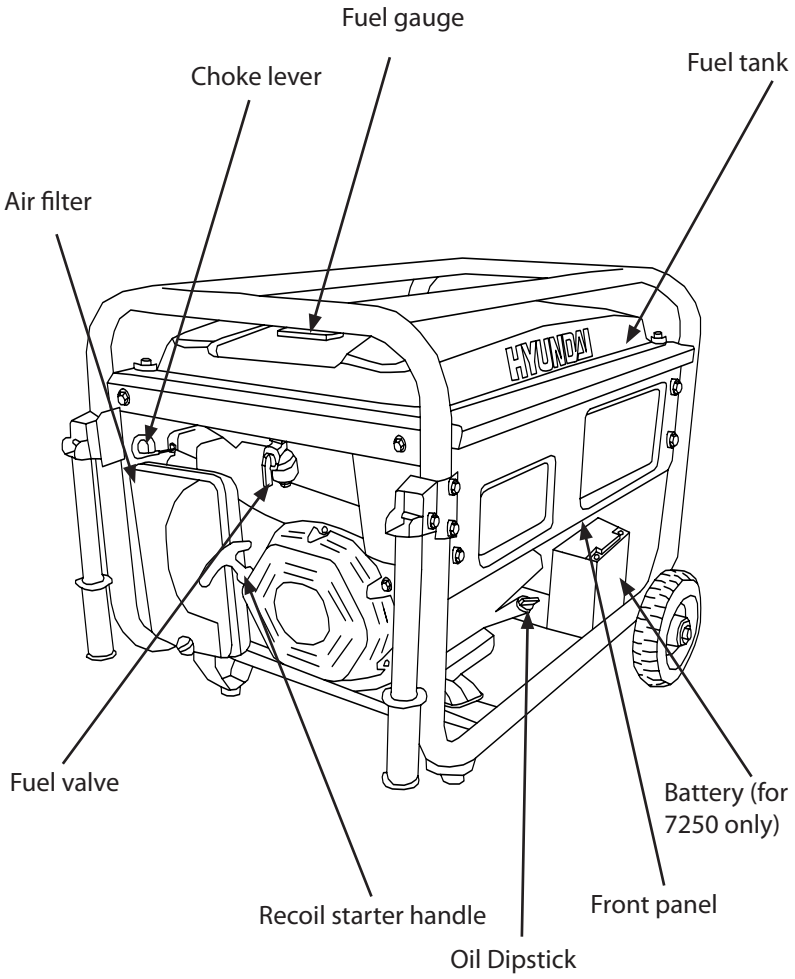
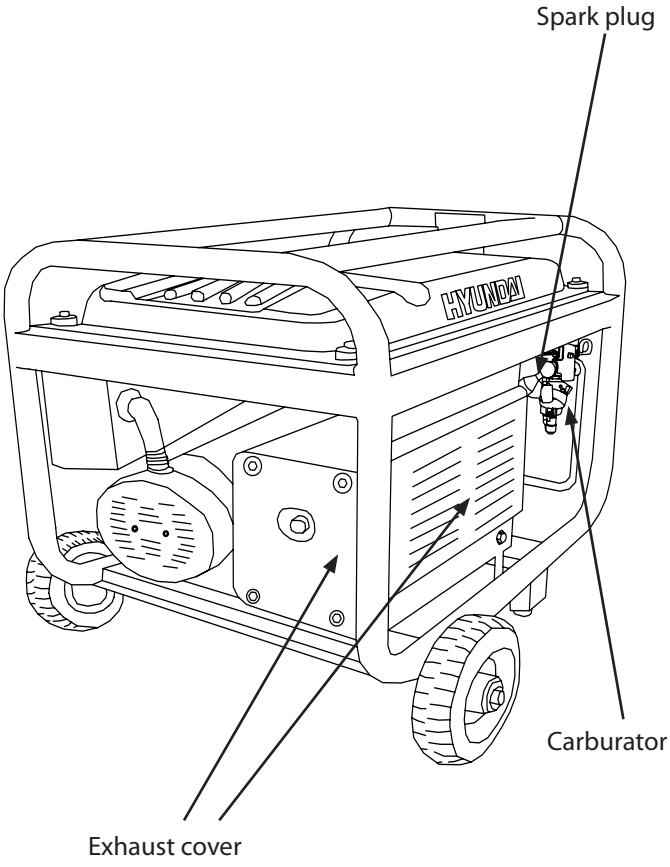

Fuel gauge
Choke lever
Fuel tank
Air filter
HYUNDAI
Fuel valve
Battery (for
7250 only)
Recoil starter handle
Front panel
Oil Dipstick


Spark plug
HYUNDAI
Carburator
Exhaust cover

3. PRE-OPERATION INSPECTION

⚠ WARNING

Exhaust gas contains poisonous carbon monoxide. Never run the generator in an enclosed area. Be sure to provide adequate ventilation

Operate the generator on a level surface. If the generator is tilted, fuel spillage may result

Keep away from rotating parts while the generator is running.

CAUTION

The generator is air-cooled and may be damaged if ventilation is inadequate

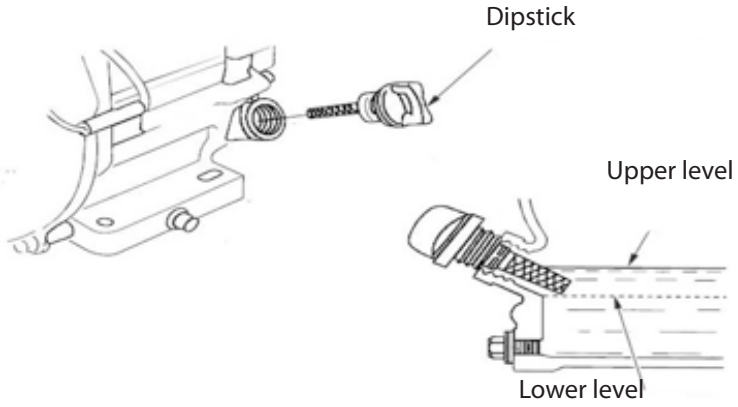
1. Ensure the generator is on a level surface
2. Inspect engine oil:

CAUTION

Engine oil is a major factor affecting engine performance and service life. Non-detergent or vegetable oils are not recommended.

- Take out the oil filler cap and clean the dipstick.
- Check the oil level by reinserting the oil filler cap without rotating it. Remove the oil filler cap and examine the oil level. If the oil level is at or below the lower level, refill the oil to the upper limit mark. (15W40 Oil for all three models)
- Reinsert the oil filler cap and tighten securely. (Refer to Fig. 3.0)

Fig. 3.0



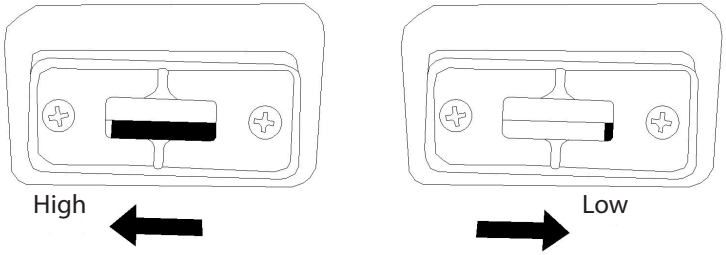
CAUTION

Running the engine with insufficient oil can cause serious engine damage.

3. Fuel level check

- Check the fuel level by reading the gauge or removing the fuel tank cap to visually check the level.
- Refuel if level is too low. Tighten the fuel tank cap securely after filling. (Refer to Fig. 3.1)

Fig. 3.1



⚠ WARNING

Gasoline is highly flammable and explosive under certain conditions. Refuel in a well-ventilated area with the engine stopped

Do not smoke or allow open flames or sparks in the area where the generator is refueled or where gasoline is stored Do not overfill the tank

Be careful not to spill fuel when refueling. Wipe up any spilt gasoline and let the area dry before starting the engine.

CAUTION

Gasoline substitutes, such as gasohol etc., are not recommended, they may be harmful to the fuel system components.

NOTICE
When the oil level is low, the low oil light on the control panel will flash and the engine will automatically shut down. Then take off the oil dipstick to check the oil level

4. Check the air filter

1. Loosen the knob and remove the air filter cover. Remove the air filter element and observe for cleanliness (Refer to Fig. 3.2)

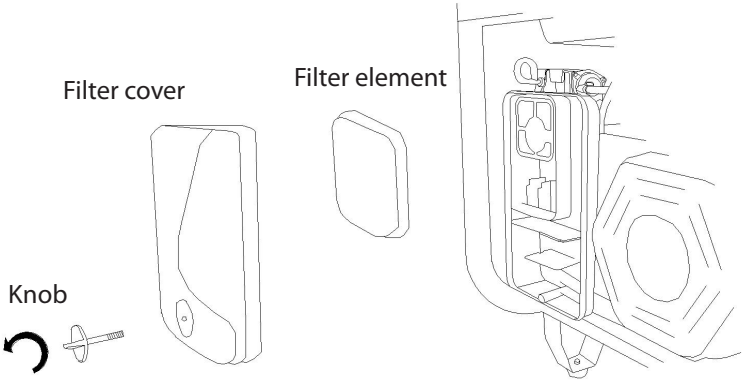


Fig. 3.2

2. Clean the air filter element with soap and water or solvent. Squeeze dry and then soak in clean engine oil.
3. Squeeze out all excess oil and reinstall.

Replace the element if it is damaged.

4. OPERATION

CAUTION

Do not connect the generator to a household electrical circuit. This could cause an overload and seriously damage the generator.

Do not exceed the current limit specified for any one receptacle

Be sure that devices do not exceed the generator's running power for more than 30 minutes and that they never exceed the maximum power output of the generator. Substantial overloading will switch off the circuit breaker. Marginal overloading may not switch off the circuit breaker, but it will shorten the service life of the generator.

Be sure that all devices are in good working order before connecting them to the generator. If a device begins to operate abnormally, becomes sluggish, or stops suddenly, turn off the circuit breaker and the generator engine switch immediately. Then disconnect the device and examine it for signs of malfunction.

4.1) Mounting Instruction
HHD3500 (Fig 4.1)

1. Attach the handle bar to the upper frame of the generator. Tighten the bolts (14) and nuts (7) to the upper frame of the generator.

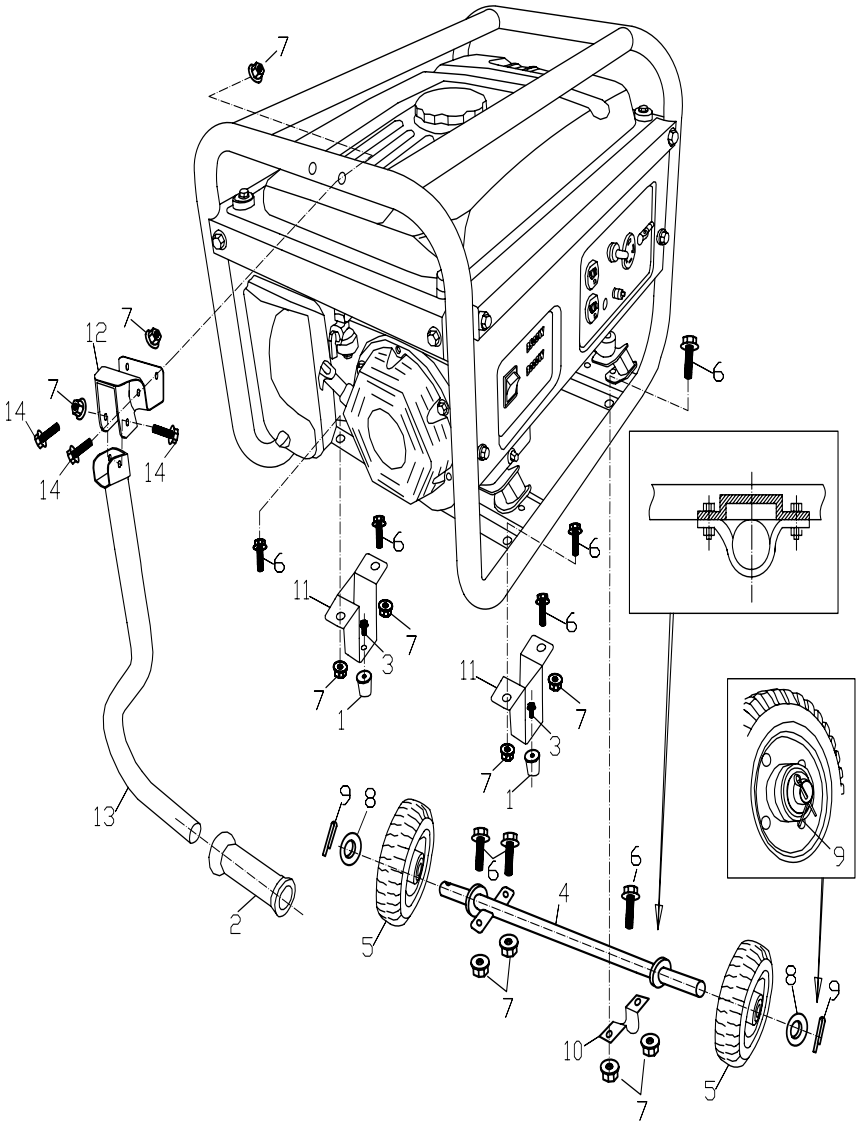
2. Attach the two peg stands to the bottom of the frame of the generator. Tighten the two bolts (6) and two nuts (7) to the lower frame of the generator.

3. Place the two wheels (5) on the wheel axle (4) and then secure the wheels using the washer (8) and split pin (9) to the wheel axle (4).

4. Attach the wheel axle (4) to the bottom of the generator frame. Align

the bolts (6) with the holes on the bottom of the generator and fasten tightly with the nuts (7) provided. Refer to Fig. 4.1

Fig. 4.1



Parts list for HHD3500

Part Number	Description	Quantity
1	Cushion	2
2	Hand Sleeve	1
3	Bolt M6 x 10	2
4	Wheel Axle	1
5	Wheel	2
6	Bolt M8 x 16	8
7	Nut M8	11
8	Washer	2
9	Split Pin	2
10	Axle Holder	1
11	Stand	2
12	Connecting Block	1
13	Handle	1
14	Bolt M8 x 45	3

For HHD6250/HHD7250:

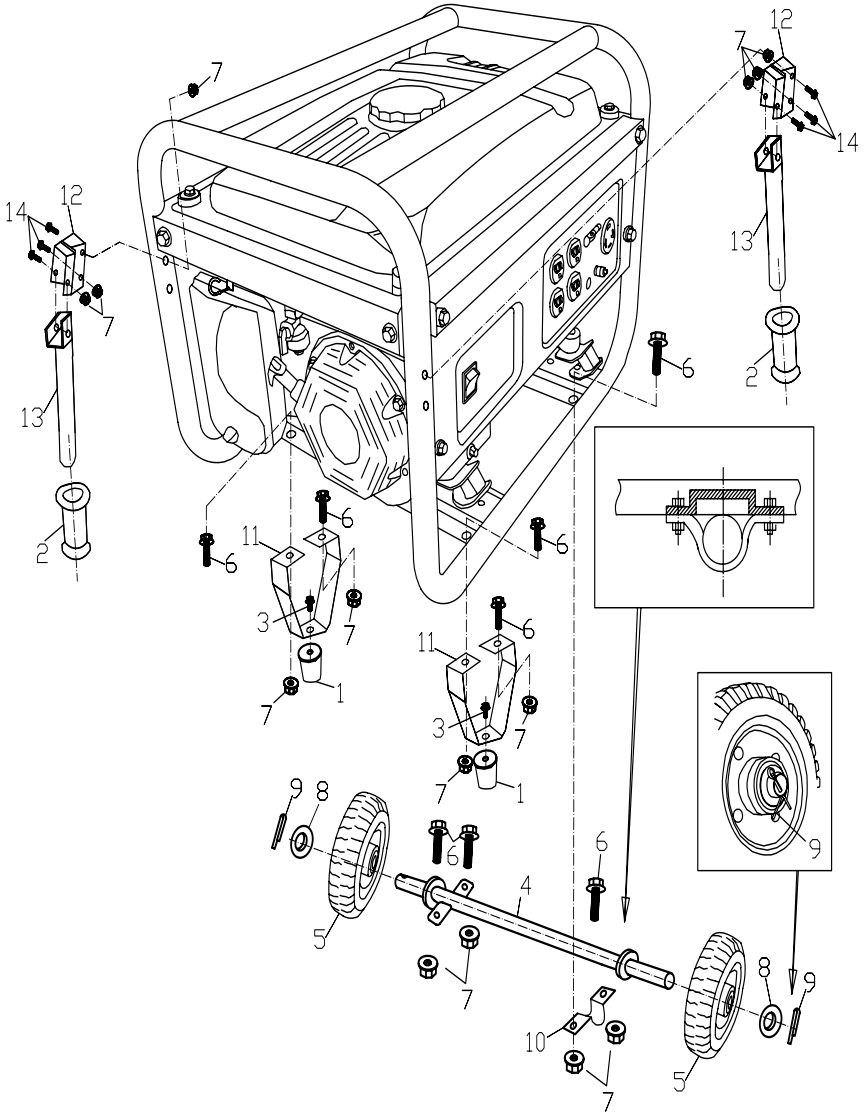
1. Attach the handle bars to the middle of the generator frame where specified in (figure 4.1). Tighten the bolts (14) and nuts (7) to the upper frame of the generator.

2. Attach the two peg stands at the bottom of the frame of the generator. Tighten the two bolts (6) and two nuts (7) to the lower frame of the generator.

3. Place the two wheels (5) on the wheel axle (4) and then secure the washer (8) using the split pin (9) to the wheel axle (4).

4. Attach the wheel axle (4) to the bottom of the generator frame. Align the bolts (6) with the holes on the bottom of the generator and fasten tightly with the nuts (7) provided. Refer to Fig. 4.2

Fig. 4.2



Parts List for HHD6250/HHD7250

Part Number	Description	Quantity
1	Cushion	2
2	Hand Sleeve	2
3	Bolt M6 x 10	2
4	Wheel Axle	1
5	Wheel	2
6	Bolt M8 x 16	8
7	Nut M8	14
8	Washer	2
9	Split Pin	2
10	Axle Holder	1
11	Stand	2
12	Connecting Block	2
13	Handle	2
14	Bolt M8 x 45	6

4.2) Starting the Generator Set

GROUND TERMINAL (For HHD3500, HHD6250 and HHD7250)

⚠ WARNING

To prevent electrical shock from faulty appliances the generator should be grounded. Connect a length of heavy wire between the ground source and the terminal at the rear of the control box.

Before using generator, a ground wire must be connected to the ground terminal.

Before using the ground terminal consult a qualified electrician.

Ground Terminal Symbol:

For HHD3500/HHD6250/HHD7250 (Recoil Start)

1. Before starting the engine, do not connect the generator to the device
2. Rotate the fuel valve to ON position. (Vertical position). Refer to Fig. 4.3

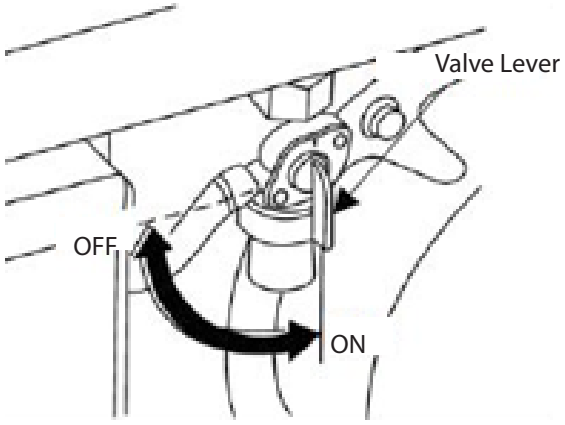


Fig. 4.3

3. If the engine is cold:
   For HHD3500, move the choke lever to the left side to close the choke. For HHD6250 or HHD7250, pull the choke lever out to close the choke (Refer to Fig. 4.4 for HHD6250/HHD7250 and Fig. 4.5 for HHD3500)

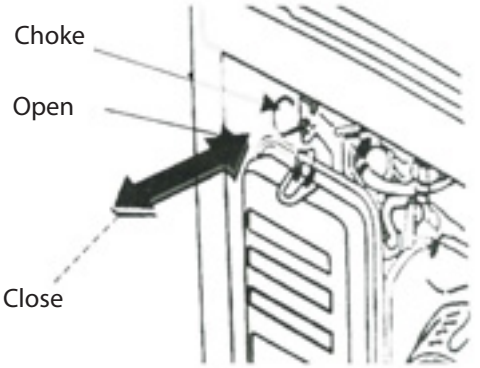


Fig. 4.4

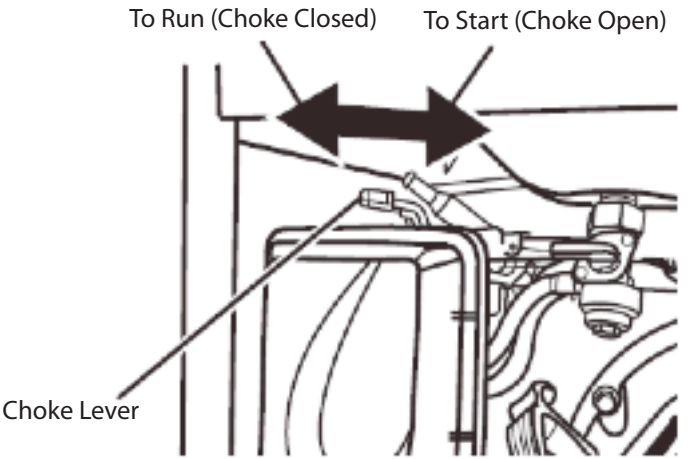


Fig. 4.5

4. For HHD3500 press the engine switch to the "ON" position. Refer to Fig. 4.6b. For HHD6250, press the engine switch to the "ON" position. Refer to Fig. 4.6a. For HHD7250, press the engine swicth to "RUN" position. Refer to Fig. 4.6a

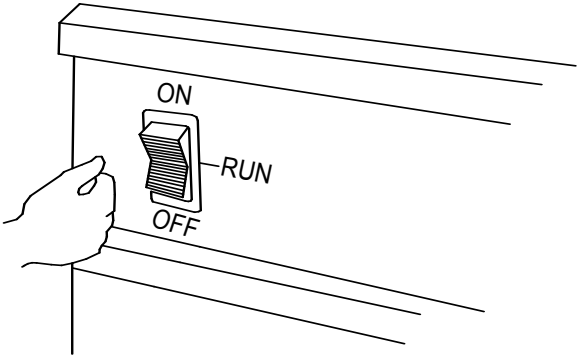


Fig. 4.6a

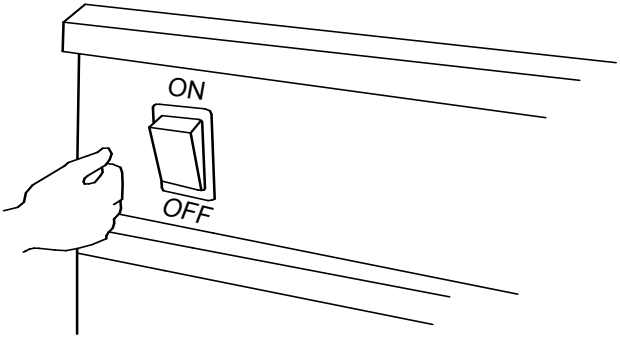


Fig. 4.6b

5. Grasp the recoil starter handle and pull it until the engine starts. Refer to Fig. 4.7

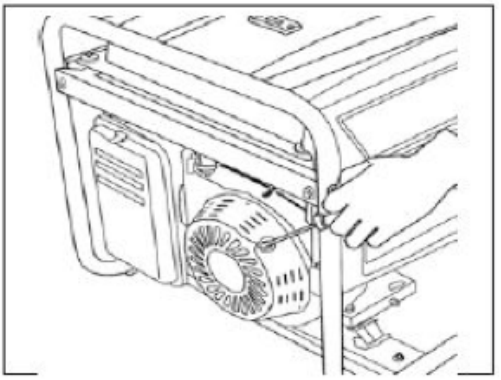


Fig. 4.7

CAUTION

Do not allow the starter grip to snap back. Return it slowly by hand.

6. After the engine warms up, push the choke lever back to the OPEN position.

NOTE:
Do not use the choke if the engine is warm or if the air temperature is high (above 50°F)

For HHD7250 (2nd option: Electric Start)

⚠ WARNING

Batteries produce explosive gases. Keep sparks, flames, and cigarettes away from the battery. To prevent the possibility of creating a spark near the battery, connect charging cables first to the battery, then to the generator, and disconnect cables at the generator first

1. Connect the positive terminal (red) of the cable with the positive terminal (red) of battery and connect the negative

terminal (black) of the cable with the negative terminal (black) of battery. Ensure the connection is secured by using the fasteners provided. Refer to Fig. 4.8

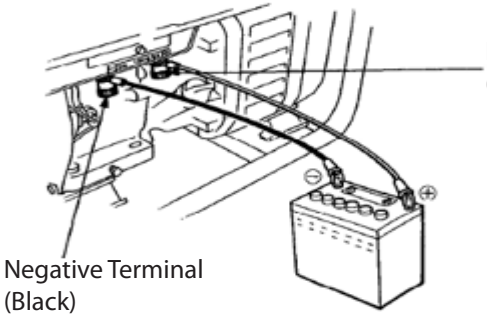


Fig. 4.8

CAUTION

Do not reverse the polarity of the terminals when charging a battery. Serious damage to the generator and/or battery may occur.

NOTE:
The D.C. terminals on the battery must not be used while the A.C. outlet is in use.

2. Before starting the engine, do not connect the generator to the device
3. Rotate the fuel valve to ON position. (Vertical position). Refer to Fig. 4.9

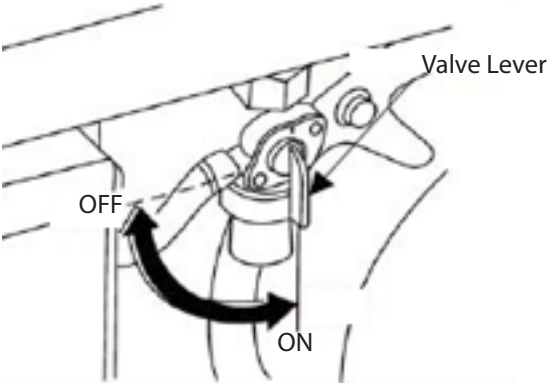


Fig. 4.9

4. If the engine is cold, pull the choke lever out to close the choke. Refer to Fig. 4.10

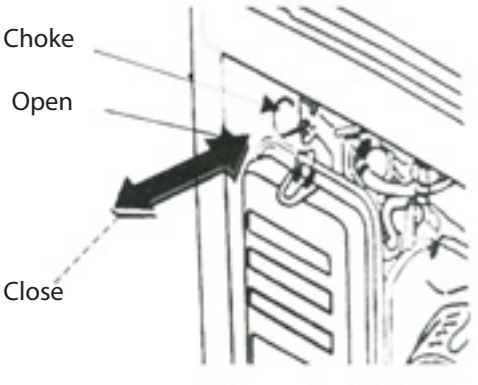


Fig. 4.10

5. Turn the engine switch to the ON position, and hold it until started, but the start time cannot be more than 5 seconds, otherwise the alternator might be damaged. Refer to Fig. 4.6

6. Push the choke lever to the OPEN position as engine warms

up. The choke is used to provide the proper mixture when the engine is cold. It can be opened and closed by operating the choke lever manually, move the lever to the closed position to enrich the mixture for the cold starting.

NOTE:
Do not use the choke if the engine is warm or if the air temperature is high (above 50°F)

4.3) Using the Generator Set

For HHD3500

1. Turn off the switches of the device before connecting to the generator
2. Select the receptacles to be used by using the AC Voltage Selector. Refer to Fig. 4.11

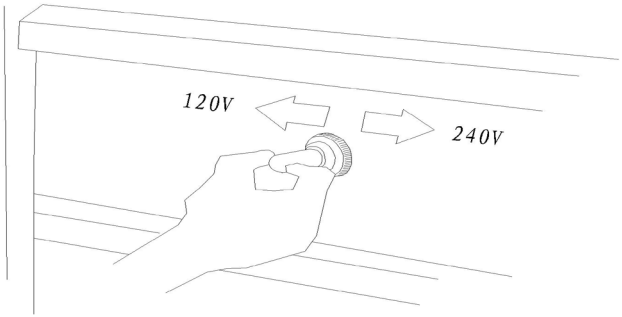


Fig. 4.11

3. Start the generator
4. If the 120V option of the selector switch is chosen, insert the plug of the device into the 120V 20A receptacle. Refer to Fig. 4.12

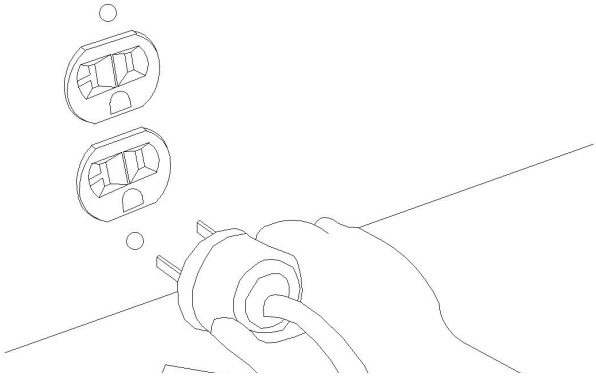


Fig. 4.12

If the 120V/240V option of the selector switch is chosen, insert the plug of the device into the 120V/240V receptacle. Refer to Fig. 4.13

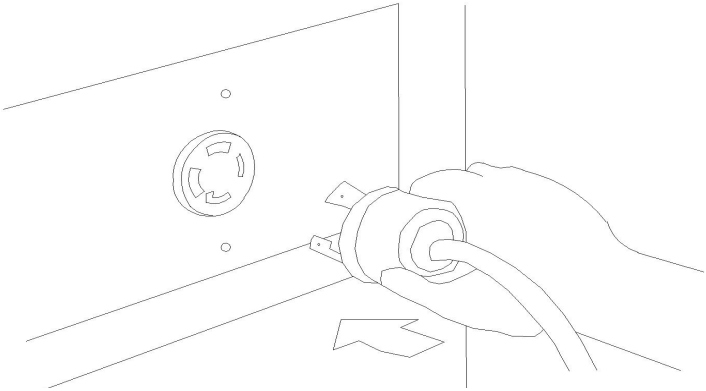


Fig. 4.13

5. Turn the Master Breaker to ON and turn on the device. Refer to Fig. 4.14

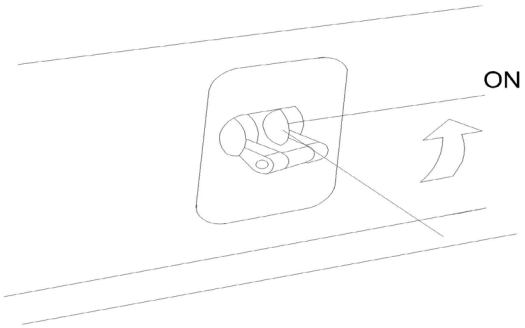


Fig. 4.14

For HHD6250/7250:

1. Turn off the switches of the device before connecting to the generator
2. Start the generator
3. Insert the plug of the device into the receptacle based on the voltage requirement of the device. Refer to Fig. 4.15

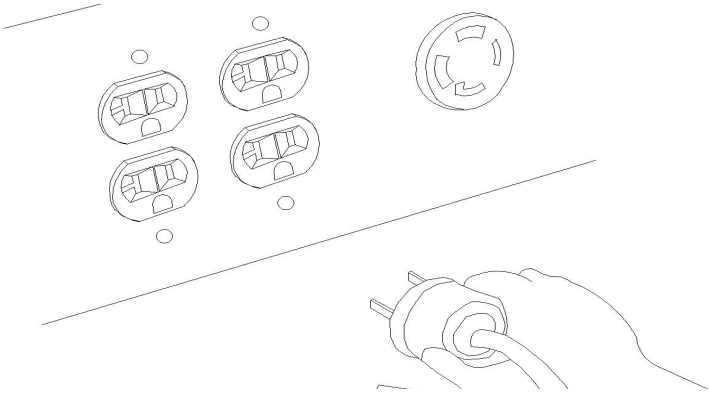


Fig. 4.15

4. Turn the Master Breaker switch to ON position and turn on the device. Refer to Fig. 4.14

NOTE:
To stop the engine in an emergency, turn the engine switch "OFF"

In order to maintain generator's performance:

- Always connect the generator to the ground terminal to prevent electrical shock
- Add the watt ratings of all the loads that the generator set will be powering at the same time. Make sure that total wattage will not exceed the generator rating.

EXAMPLE:
A generator set rated 5000W can power two 1500W heaters, a 900 W circular saw, a 500W drill and a 100 W light at the same time (4500 W combined). However, to operate a second 900W saw, it will be necessary to disconnect one of the 1500 W heaters.

4.4) Stopping the Generator Set

For HHD3500

1. Turn off all the connected devices
2. Allow the generator set run for a few minutes to cool down.
3. Stop the generator set by pressing the On/Off switch to the OFF position until the generator set stops.
4. Rotate the fuel valve back to the OFF position (horizontal position)

For HHD6250/HHD7250

1. Turn off all the connected devices
2. Allow the generator set run for a few minutes to cool down.
3. Stop the generator set by pressing and holding the engine switch in the OFF position until the generator set stops.
4. Rotate the fuel valve back to the OFF position (horizontal position)

5. MAINTENANCE

5.1) Importance of Maintenance

Proper maintenance is important because it will ensure safe, economical and trouble-free operation. It will also reduce air pollution. Improper maintenance may cause the generator to malfunction and can lead to serious injuries or death.

5.2) Maintenance Schedule

⚠ WARNING

Shut off the engine before performing any maintenance. When the engine is running, make sure the area is well ventilated. The exhaust contains poisonous carbon monoxide gas.

NOTE:
Some of these maintenance techniques can be dangerous and should be performed by a qualified technician

For HHD 3500/HHD6250/HHD7250:

In order to maintain good performance and extending the service life of the generator, period inspection and adjustments should be done based on the following maintenance schedule:

1	2	3	4	5
Each using time	1st month or 20Hr	Each quarter or 50 Hr	Every 6 months or 100Hrs	Every year or 300Hrs

Item	Maintenance	1	2	3	4	5
General Inspection		●				
Lubricants of gasoline engine	Inspection of oil level	●				
	Replacement		●		●	
Air Cleaner	Inspection	●				
	Cleaning			▲		
Sediment bowl	Cleaning			▲	●	
Spark Plug	Inspection & cleaning				●	
	Replacement					●
Valve Clearance	Inspection & adjusting					■
Combustion chamber	Inspection & adjusting					■
Fuel tank and strainer	Cleaning					■
Fuel line	Every two months (if necessary, please replace it)					

NOTICE:

▲ Service more frequently when used in dusty environments.

■ These items must be performed by a trained and experienced mechanic

5.3) General Inspection

1. Look for fuel leaks around the fuel tank, fuel hose, fuel valve and carburetor. Close the fuel valve and repair leaks immediately.
2. Look and listen for exhaust leaks while the engine is running. Have all the leaks repaired before continuing operation.
3. Check for dirt and debris and clean as necessary
4. Check the engine oil level and add oil as necessary.

5.4) Air Filter Service

⚠ WARNING

Do not use gasoline or low flash point solvents for cleaning. They are flammable and explosive under certain conditions

1. Rotate the knob counterclockwise to release
2. Lift the air filter cover to remove from the air filter unit
3. Remove the foam filter element. Refer to Fig. 5.0

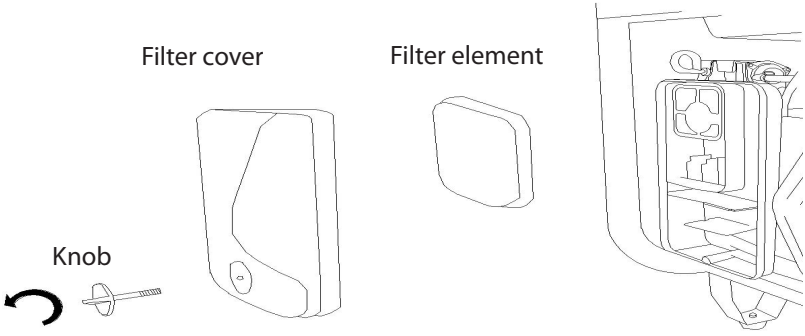


Fig. 5.0

4 If the foam filter element is dirty, clean it in warm soapy water, rinse, and allow it to dry thoroughly, or clean in

nonflammable solvent and allow to dry

5. Drip the foam filter element in clean engine oil, then squeeze out all excess oil. The engine will smoke when started if too much oil is left in the filter.
6. Wipe dirt from the air filter unit and cover using a moist rag. Refer to Fig. 5.1

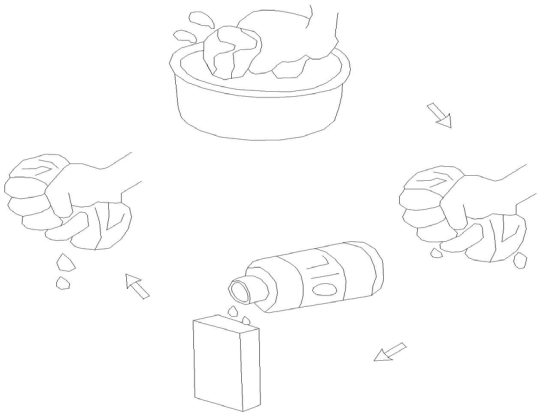
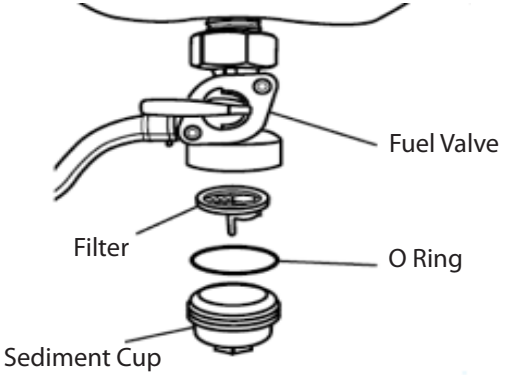


Fig. 5.1

5.5) Sediment Cup Service

1. Rotate the fuel valve to "OFF" position
2. Remove sediment cup and O ring
3. Wash the cup with non-flammable solvent
4. After fully dried, remount the parts
5. Rotate the fuel valve to "ON" and check for leakage.

Fig. 5.2



⚠ WARNING

After installing the sediment cup, be sure to tighten the “o” ring securely. Check for fuel leaks and remove any spilled fuel prior to starting

5.6) Changing Engine Oil

1. Place the generator is placed on a flat, level surface
2. Start engine and run until it gets warm
3. Stop engine
4. Place oil pan or other container underneath the generator for holding oil
5. Keep oil filler cap to avoid oil spray
6. Use a wrench to remove the drain bolt and sealing washer
7. Slowly unscrew and remove the oil filler cap
8. Allow oil to completely drain into oil pan or container
9. Use clean cloth to wipe around oil fill and drain plug to clean any dirt and debris
10. Reinstall sealing washer and drain plug bolt
11. Pour new engine oil into oil fill hole
12. Check oil level
13. Reinstall oil filler cap (Refer to Fig. 5.3 and Fig. 3.0)

CAUTION

Used motor oil may cause skin cancer if repeatedly left in contact with the skin for prolonged periods. Wash your hands with soap and water as soon as possible after handling used oil.

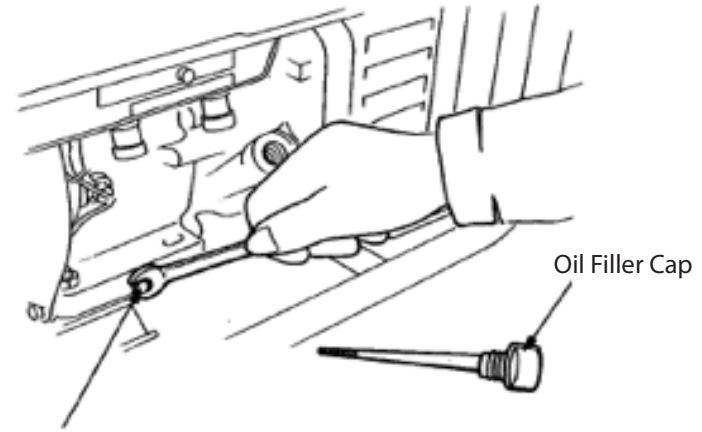


Fig. 5.3

5.7) Spark Plug Service

1. Remove the spark plug cap
2. Clean any dirt and debris from around the spark plug base
3. Use a wrench to remove the spark plug. Refer to Fig. 5.4

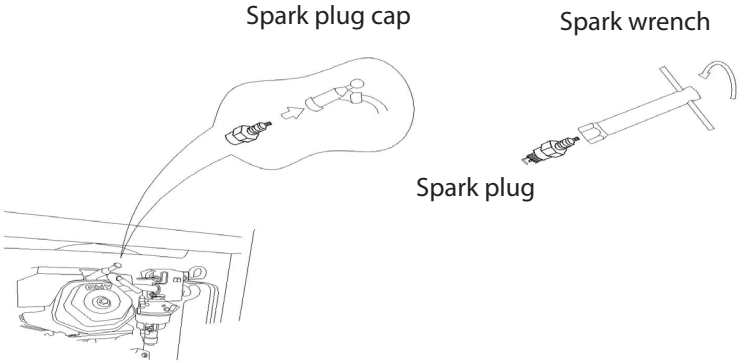


Fig. 5.4

4. Visually inspect the spark plug. Discard it if the insulator is cracked or chipped. Clean the spark plug with a brush if it is to be reused.
5. Measure the plug gap with a feeler gauge. The gap should be 0.7 to 0.8 mm (0.028 to 0.031 inch). Correct as necessary by carefully bending the side electrode. Refer to Fig. 5.5

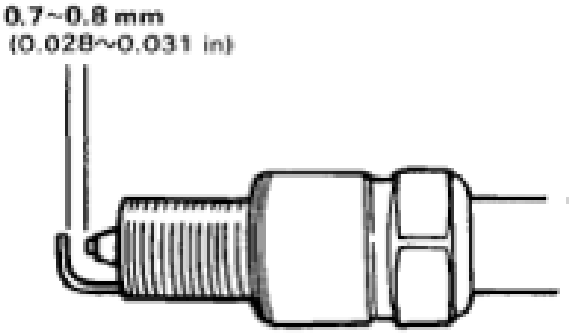


Fig. 5.5

6. Install the correctly gapped spark plug back into the original position.

CAUTION

The spark plug must be securely tightened. An improperly tightened plug can damage the generator.

5.8) Handling & Storage

⚠ WARNING

When transporting the generator, shut off the fuel valve and keep the generator level to prevent fuel spillage. Fuel vapor or spilled fuel may ignite.

Handling

1. Turn off the engine switch and the fuel valve when transporting the generator set.
2. Do not touch the generator until the fuel choke is in the OPEN position because the engine is warm
3. Keep the generator at a level position in order to prevent spillage

Storage

Before storing the generator set for an extended period:

1. Ensure that the storage area is free of excessive humidity and dust
2. Drain the fuel tank and the carburetor

Draining the fuel tank

1. Turn the engine switch off
2. Remove the fuel tank cap and the debris screen under the cap
3. Empty the fuel tank using a siphon and an approved gasoline container

Draining the carburetor

1. Turn the engine switch OFF
2. Turn the fuel valve ON
3. Position a suitable container under the carburetor drain screw to catch fuel; loosen the screw
4. Allow fuel to drain completely into container
5. Retighten drain screw. Refer to Fig. 5.6

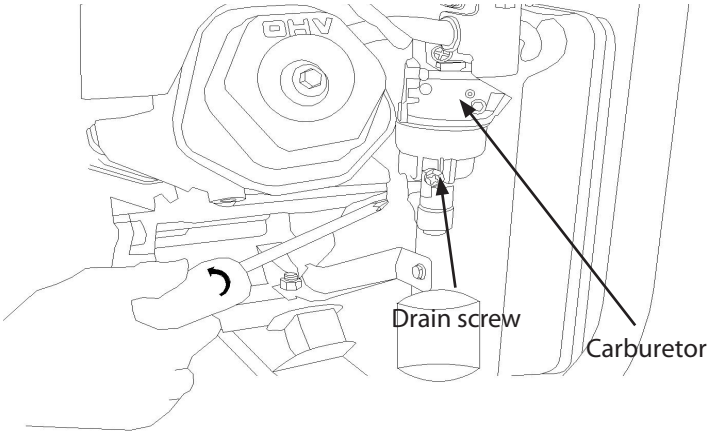


Fig. 5.6

3. Store the battery in a dry place and recharge it once a month. Do not store the battery in an excessively warm or cold place. (for HHD7250 only)

6. TROUBLESHOOTING

The following table is a troubleshooting guide for diagnosing the generator set. If these recommendations cannot solve the problem, please contact our service center.

⚠ WARNING

Many troubleshooting procedures present hazards which can result in severe personal injury or death. Only trained and experienced service personnel with knowledge of fuels, electricity, and machinery hazards should perform service procedures. Review Safety Precautions.

A hot generator can cause severe burns. Always allow the generator set to cool before performing any maintenance service.

Problem	Cause	Recommended Action
Engine cranks slowly	Engine oil is too heavy	Replace with recommended oil
	Load is connected	Disconnect load while starting
Engine not starting	No fuel	Refill the fuel tank
	Fuel valve closed	Fully open fuel valve
	Fouled spark plug	Remove, clean or replace spark plug
	Not enough oil	Add more oil
Black Exhaust	Choke stuck in closed position	Open choke
	Dirty air cleaner	Clean air cleaner
	Rich fuel mixture	Contact our service center
Engine Stops	No fuel	Refill fuel tank
	Not enough oil	Add more oil
Engine has difficulty idling	Loose spark plug cable	Reconnect or repair the cable
	Faulty spark plug	Remove, clean or replace spark plug
	Generator set not level	Move generator to level surface
	Dirty fuel filter	Replace the filter
No AC output	Tripped AC circuit breaker	Remove all loads, reset breaker, and check loads for defects. Do not exceed generator rating
No DC output	Tripped DC circuit breaker	Disconnect battery, reset breaker and have battery tested for shorts
No Battery charge DC output [HHD 7250 Only]	Corroded battery posts	Clean battery posts
	Battery cable is bad	Replace cable
	Battery is defective	Check condition; replace if defective
	Receptacle is bad	Contact an authorized service facility

7. SPECIFICATIONS & DATA

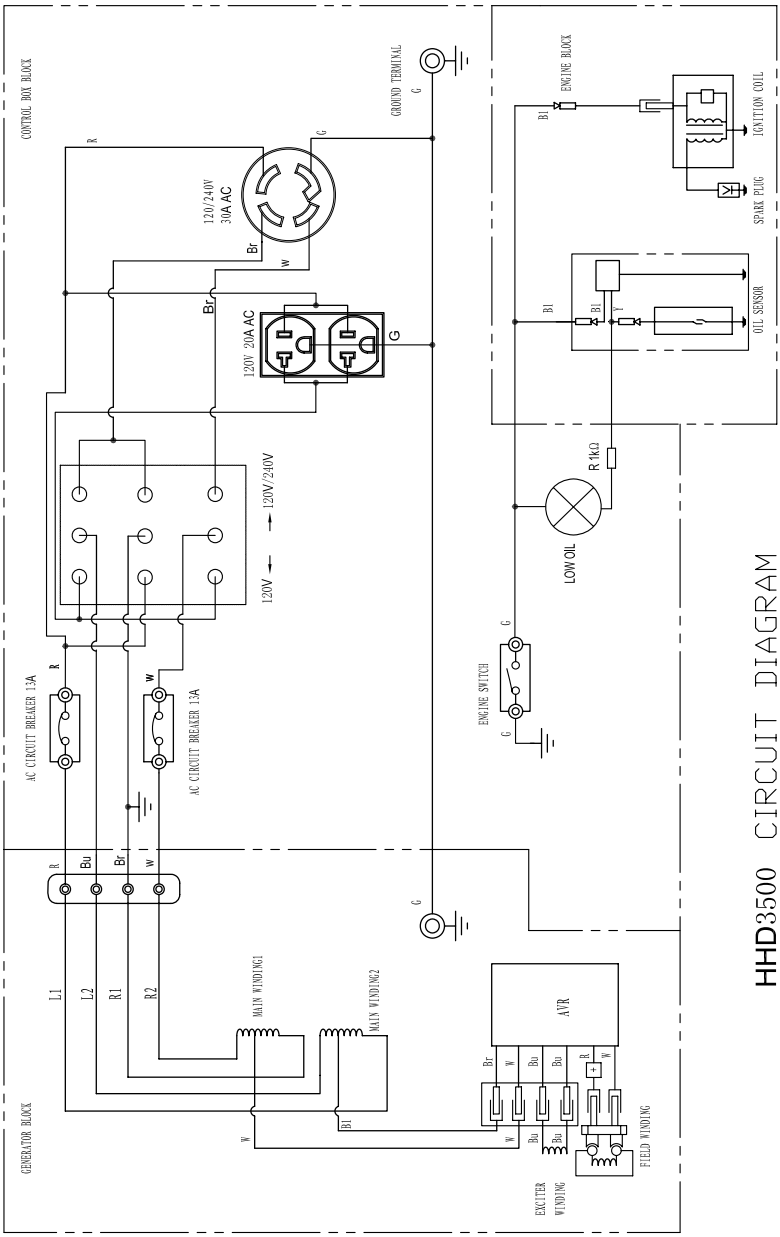
HHD3500		
GENERATOR	Rated frequency (Hz)	60Hz
	Rated AC Output Power (kW)	3.0
	Max AC Output Power (kW)	3.5
	1-Phase Rated AC Voltage (V)	120
	Power Factor	1.0
ENGINE	Type	6.5 HP, Single cylinder, forced air cooling, 4-stroke OHV 25 deg tilt
	Displacement (cm^3)	196cc
	Ignition model	Non-contact transistor
	Starting model	Recoil Start
	Max. Output (kW/rpm)	4.3/3600
	Fuel tank capacity (L)	17
	Oil capacity (L)	0.6 (15W40)
	Duration of Runs (Hours)	9
	L x W x H (mm)	615 x 455 x 470
	Dry Weight (Kg)	54

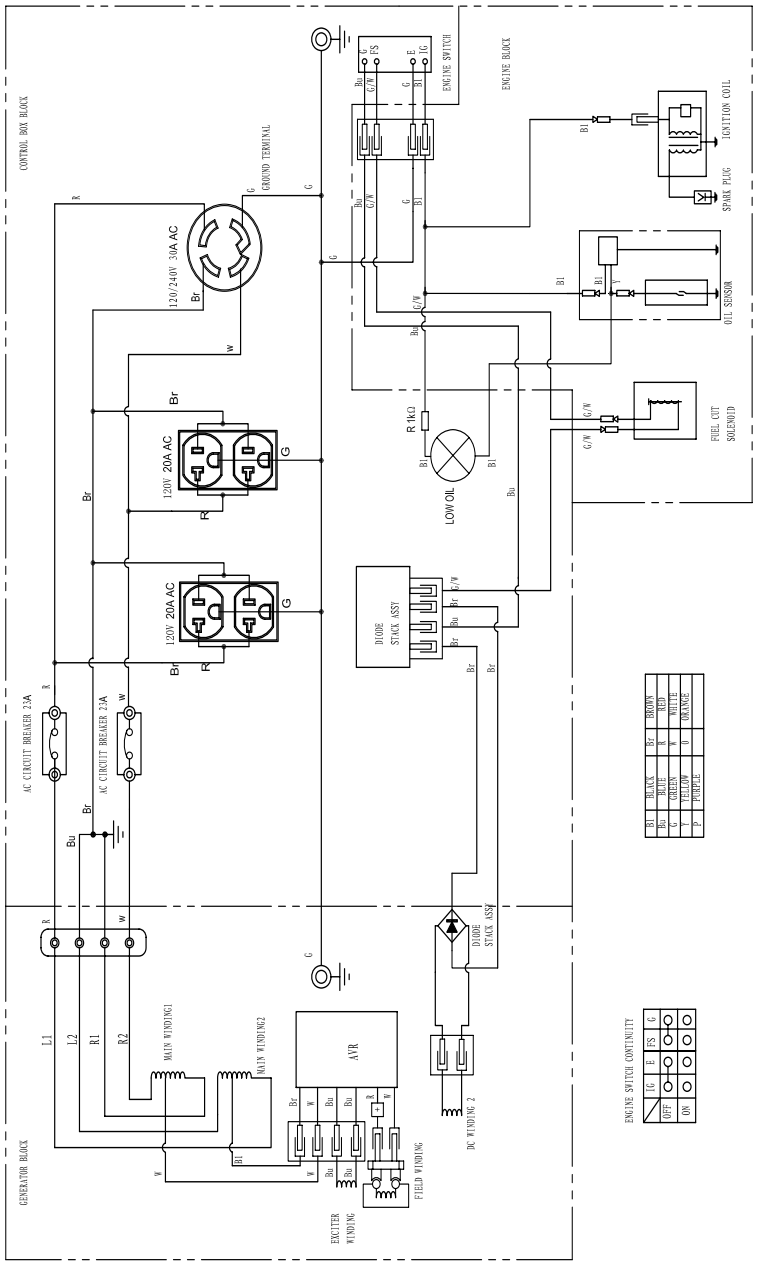
HHD6250		
GENERATOR	Rated frequency (Hz)	60Hz
	Rated AC Output Power (kW)	5.5
	Max AC Output Power (kW)	6.25
	1-Phase Rated AC Voltage (V)	120
	Power Factor	1.0
ENGINE	Type	11 HP, Single cylinder, forced air cooling, 4-stroke, OHV 25 deg tilt
	Displacement (cm^3)	337cc
	Ignition model	Non-contact transistor
	Starting model	Recoil Start
	Max. Output (kW/rpm)	7.2/3600
	Fuel tank capacity (L)	28
	Oil capacity (L)	1.1 (15W40)
	Duration of Runs (Hours)	9
	L x W x H (mm)	715 x 545 x 585
	Dry Weight (Kg)	97

HHD7250		
GENERATOR	Rated frequency (Hz)	60Hz
	Rated AC Output Power (kW)	6.0
	Max AC Output Power (kW)	7.25
	1-Phase Rated AC Voltage (V)	120
	Power Factor	1.0
ENGINE	Type	13 HP, Single cylinder, forced air cooling, 4-stroke, OHV 25 deg tilt
	Displacement (cm^3)	389cc
	Ignition model	Non-contact transistor
	Starting model	Recoil Start or Electric Start
	Max. Output (kW/rpm)	8.5/3600
	Fuel tank capacity (L)	28
	Oil capacity (L)	1.1 (15W40)
	Duration of Runs (Hours)	8
	L x W x H (mm)	715 x 545 x 585
	Dry Weight (Kg)	99

8. WIRING DIAGRAMS

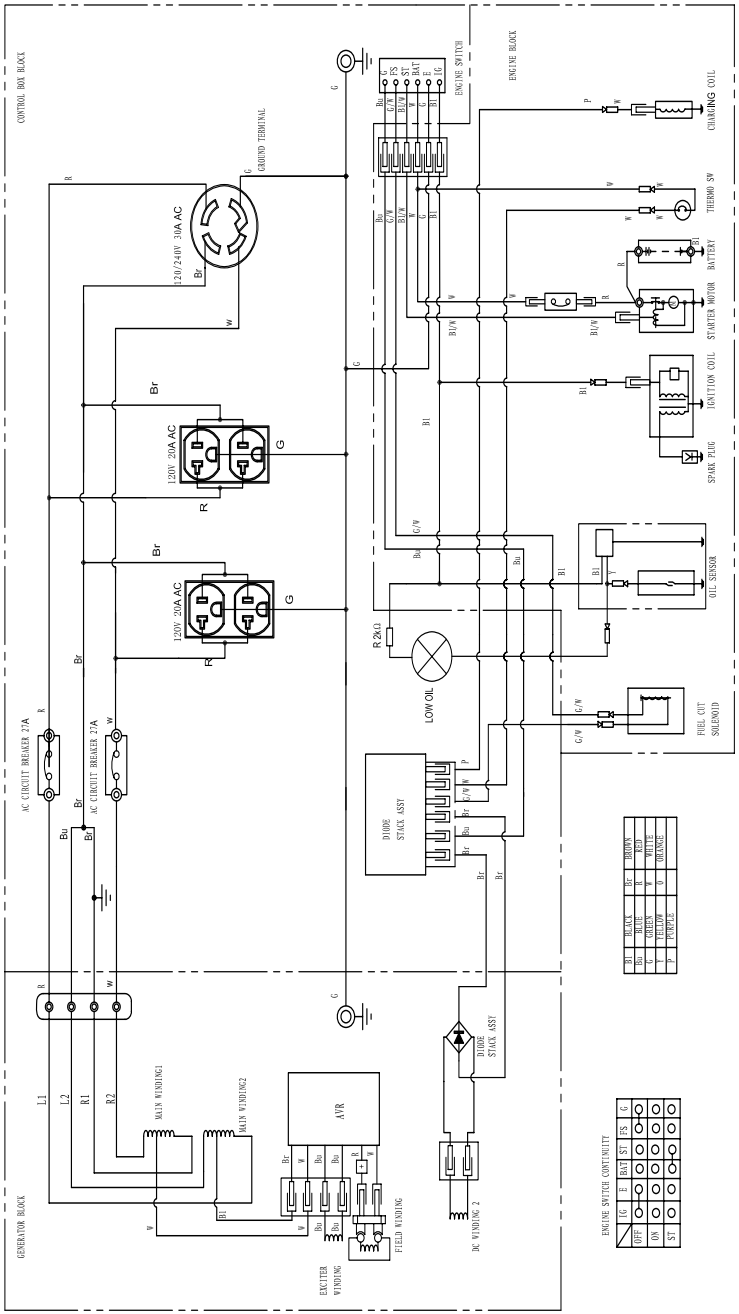
For HHD3500





HHD6250 CIRCUIT DIAGRAM

For HHD7250:



HHD7250 CIRCUIT DIAGRAM

9. WARRANTY

Canadian distribution of Hyundai portable generators are distributed in Canada by:
Midland International
26 Huddersfield Rd.
Unit #2
M9W-5Z6 Canada

This product is warranted to be free of defects in material and workmanship for two years from date of purchase. This warranty guarantees that any defective parts will be repaired or replaced at no cost, including diagnosis and replacement parts.

Limited Warranty periods:

Recreational/residential use: 2 years limited. 1st year, parts and labor. 2nd year parts only.

Commercial use: 6 months limited, parts and labor

This limited warranty begins at the initial time of retail purchase and covers manufacturer's defects caused by a defect in components or workmanship during the two (2) Year period. The warranty coverage is continual from the initial date of purchase and does not restart at anytime under any circumstances. This limited warranty is valid for residential or recreational applications only and only when the generator receives all necessary preventative maintenance as described in the Hyundai Generators "Operation Manual. The repair or replacement of a generator will take place within a reasonable period of time during normal business hours.
All repair and replacement parts shall be warranted for (90) days after the initial date of installation or purchase.

Limitation of Remedies and Disclaimers
Midland International Inc. disclaims any responsibility for loss of time or use of the generator in a recreational vehicle or any vehicle in which the generator is installed, transportation, commercial loss, or any other incidental or consequential damage. Any implied warranties are limited to the duration of this written warranty. THE FOREGOING LIMITED WARRANTY IS EXCLUSIVE OF AND IN LIEU OF ALL OTHER

WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND OF ANY OTHER WARRANTY WHETHER EXPRESS OR IMPLIED.
Consumable parts, such as oil or fuel filters, fuel cut off valve, brushes, fuel injection nozzle valve, lubricant, or ignition plug, are not covered under this warranty. All expenses incurred in maintaining and replacing parts for generator shall fall on the purchaser. This warranty coverage does not include parts affected by accident and/or collision, corrosion or rust, normal wear, incorrect fuel type or fuel contamination, use in an application for which the product was not intended, unauthorized service, or any other misuse, neglect, incorporation or use of unsuitable attachments or parts Damage to voltage regulators caused by failure to ground, shorting or overloading will not be covered under this warranty. Under this Warranty, we do not have the obligation to bear any transportation fees of any product to/from an authorized Warranty Center. Unauthorized alteration, installation or any cause other than defects in material or workmanship of the product will not be covered under the warranty.

Exclusions
Not Covered by this Limited Warranty:
1) Normal engine/alternator wear;
2) Damage caused by lack of maintenance as described in the Hyundai manuals, or negligence by using improper or impure motor oil, coolant, or fuel;
3) Damage caused by accidents, improper installation or storage;
4) Damage caused by water ingestion, submersion, or external water damage;
5) Damage or non-performance caused by operation of the generator set in a marine application;
6) Damage caused by operation with improper fuel, or at speeds, loads, conditions, or modifications contrary to published specifications.
7) Items not supplied by Hyundai, including, but not limited to; starting batteries, battery cables, external wiring, fuel lines, filters, etc;(refer to exclusions)
8) Repairs made during the warranty period, without first obtaining a case number from Hyundai

Batteries supplied with any generator product should be considered a bonus item and not covered by warranty. Batteries can be damaged by shock, shorting terminals, heat, acid spillage and a number of other

factors that cannot be controlled after they have left our facility. It is the customer's responsibility to take great care when handling a battery so no spillage of acid will occur and cause corrosion; damage caused by battery acid is not covered under this warranty.

Product Registration
Product registration is required for product support and warranty coverage.
The owner's registration found in the user manual can be completed and mailed. You can also register Online at www.hyundaipower.ca. You should keep your receipt for proof of purchase.

Warranty Claim Procedure:
Warranty service must be performed by one of our authorized service dealers. If you feel your generator is malfunctioning due to a defect or misuse, simply contact our customer support center for technical advice, a warranty claim or general information.

Do not return your generator to the place of purchase for repair. MIDLAND INTERNATIONAL INC. SHOULD BE CONTACTED TO PROVIDE A CASE NUMBER BEFORE WARRANTY WORK CAN BEGIN.

To obtain warranty service:
Contact our customer support centre:
Toll free: 1-877-528-3772
E-mail: support@Hyundaipower.ca
Website: Hyundaipower.ca

10. GLOSSARY

Air Filter- It removes dust from engine intake air.

Carburetor- A device used to properly mix fuel and air in the correct proportions and delivering the mixture into the engine's combustion chamber.

Choke Lever- It is used to provide proper starting mixture when the engine is cold. The choke lever must be pulled out to ON position when starting a cold engine.

Circuit Breaker- It protects circuits from being damaged due to overload or short circuit by stopping the flow of electricity between the generator and device.

Dipstick- It seals off engine oil fill hole and is used for indicating the engine oil level.

Drain Plug- A plug that can be removed to allow the fluid contents of the engine to be drained off.

Earth Ground Lug- It connects generator to ground wire for grounding protection.

Fuel Cock- A tap which can allow or restrict the flow of gasoline from the gas tank to the carburetor.

Fuel Valve- It controls flow of fuel from fuel tank to carburetor.
Pilot light- A small flame used to ignite gas at a burner.

Recoil Starter- A pull cord is attached to the engine and you pull the T-handle attached to the starter cord assembly to spin the flywheel and start the engine.

Reset Switch- A switch which puts the configuration of a component back to its standard setting.

Sediment Cup- A cup for storing sediments

Selector Switch- A switch that is used to select among alternatives.

Spark Plug- A device screwed into the combustion chamber of a spark

ignition engine. The plug supplied the spark that ignites the air/fuel mixture so the combustion can occur.

Please complete and mail the form below,
or register online by visiting our website:
www.Hyundaipower.ca

HYUNDAI

Personal Information

First name: _____

Last name: _____

Address: _____

City: _____ Postal code: _____

Province: _____

Product Information

Model name: _____

Serial number: _____

Date of purchase: Y _____ M _____ D _____

Questionnaire

Store name and number: _____

Purchase price: _____

Why our generator?

- ☐ Price
- ☐ Ease of use
- ☐ Power rating
- ☐ Brand
- ☐ Portability
- ☐ Appearance

Questionnaire

How did you find out about us

- ☐ In-Store
- ☐ Internet
- ☐ Print
- ☐ Radio/TV
- ☐ Store flyer
- ☐ Word of mouth

Primary usage

- ☐ Recreational
- ☐ Emergency
- ☐ Tools

Primary location of usage

- ☐ Home
- ☐ Work

Gender

- ☐ Male
- ☐ Female

Martial status

- ☐ Married
- ☐ Single

Date of birth

Y _____ M _____ D _____

Questionnaire

Number of people in household

☐ 1 ☐ 2 ☐ 3

☐ 4 ☐ 5 _____ other

Primary residence

☐ Own ☐ Rent

Education

☐ Partial Secondary ☐ Full Secondary ☐ University

☐ College

Household income (thousand)

_____

Primary method of purchasing items

☐ In-Store ☐ Online ☐ TV

☐ Mail order

Please Mail to:	Midland International 26 Huddersfield Rd. Unit #2 Etobicoke, Ontario M9W 5Z6 Canada	Online registration at: www.Hyundaipower.ca

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